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(71) Applicant (for all designated States except US): BAYLOR COLLEGE OF MEDICINE [US/US]; One Baylor Plaza, Houston, TX 77030 (US).

- (72) Inventor: ZANG, Ying, C., Q.; 2219 Parkview Lane, Missouri City, TX 77459 (US).
- (74) Agents: SCOTT, Teddy, C., Ph., D., Jr. et al.; Howrey Simon Arnold & White LLP, 321 North Clark Street, Suite 3400, Chicago, IL 60610 (US).
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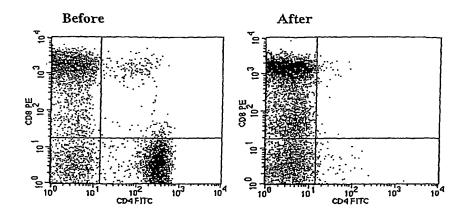
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(54) Title: A METHOD FOR INCREASING CD8+ CYTOTOXIC T CELL REPONSES AND FOR TREATING MULTIPLE SCLE-**ROSIS**



(57) Abstract: The present invention relates generally to the field of immunology and development of autologous vaccines. More specifically, the present invention is concerned with a method of treating autoimmune disease Multiple Sclerosis (MS) by means of immunizing patients with autologous CD8+ cells activated with fragments of Myelin Basic Protein (MBP). The present invention identifies four immunogenic MBP fragments with high binding affinity to HLA-A2 and HLA-A24 receptors and discloses how to use these fragments in preparing anti-MS vaccine.

